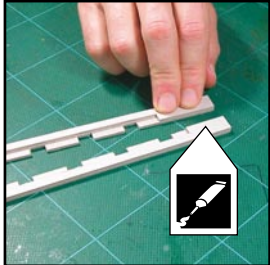




Before construction apply several light coats of artist's matt spray varnish to the sheets to protect the print surface.



1 Glue the sheets to **Heavy** and **Medium weight card** as labelled.

2 Cutout the *Side wall base layers*. If adding working lights also cut away the grey areas. Squarely glue the *Side wall RIGHT 2* over the top of *Side wall RIGHT 1* and repeat for *Side wall LEFT 1* and **2**.

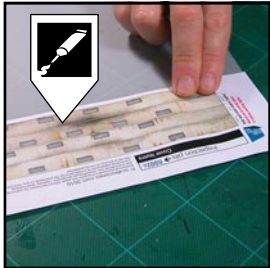
If building the version without lights, ignore the grey areas and simply glue any of the above elements into blocks of two.



Add weight or clamp to ensure good adhesion.



Even if you not planning to add lights immediately it might be worth cutting out the light openings as they can easily be added down later.

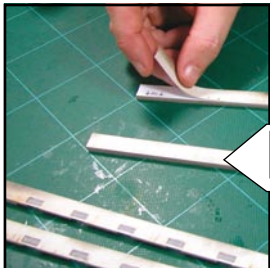


3 With a sharp blade carefully cut out the *Side wall overlays* including the light openings if applicable.

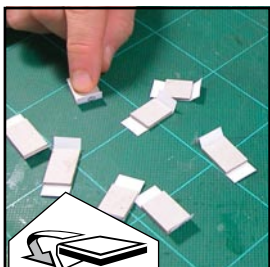
If adding working lights mount the overlays on to a sheet of tracing paper.



Tracing paper will act as an excellent light diffuser.



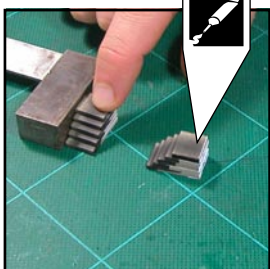
4 Test fit and glue the *Side wall overlays* over their corresponding *Side wall base layers*.



5 Fold along the blue dotted line on the *Step cover layers* and cut out.

Glue the *Step base layers* squarely into the fold of their corresponding *Step cover layers*. Wrap and glue the overhanging flaps tightly around the base layers. Check for bubbles and creases.

Wrap & glue



6 On a flat surface, use the alphabetical labelling to squarely glue the steps one on top of the other. Start with **E** at the bottom.



Use a small square or block of wood to check the alignment of the steps as you glue.

Assembly ↓



Spot or thin bead of glue



Wrap and glue printed sheet around edge



Coat well with glue stick



Printed sheet only required



Cut along line



Glue printed sheet to:
OO approx 1mm
N approx 200gsm



Fold along line



Glue printed sheet to:
OO approx 2mm
N approx 1mm



Lightly score and fold along line



Apply weight



Assembly tip



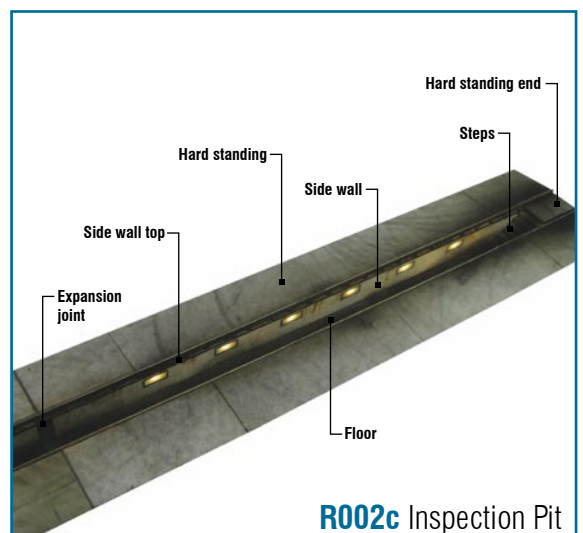
Roll and glue edge

Tools required ↓

- ☐ Steel ruler
- ☐ Modelling knife [Card blunts knives, replace blade regularly!]
- ☐ Tweezers
- ☐ Glue stick [Ideal for applying printed sheets to card]
- ☐ 'All purpose' clear or PVA adhesive
- ☐ CA or 'super glue' [Ideal for small elements]
- ☐ Artist's matt spray varnish
- ☐ Felt tip pens
- ☐ Cutting mat or sheet of thick card
- ☐ Damp cloth [To wipe glue off fingers]
- ☐ Fine sand paper [To smooth rough edges]
- ☐ Small right angled square or block

For construction tips go to:

<http://scalescenes.com/construction-tips-page>



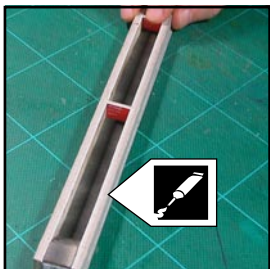
R002c Inspection Pit



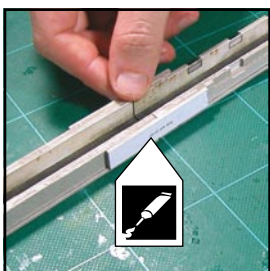
7 Place the *Floor* on a flat surface and squarely glue the steps and one of the *Side walls* into position.



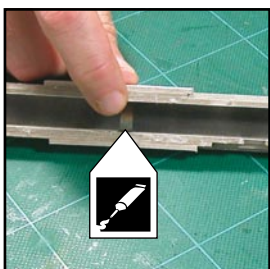
Use a small square or block of wood to check that the Side wall is perpendicular to the Floor.



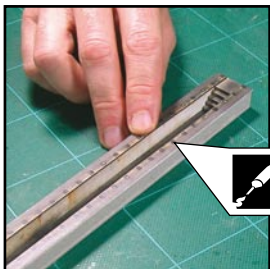
8 Using the *Side wall spacers* as a guide, glue the remaining *Side wall* into position.



9 If you are joining two sections together apply a thin bead of glue to one end and glue the *Side wall joiners* either side.



10 Test fit and glue the *Expansion joints* into position over the side wall and floor joints.



11 Apply a thin bead of glue along the top edges of the side walls and squarely position the *Side wall tops*.

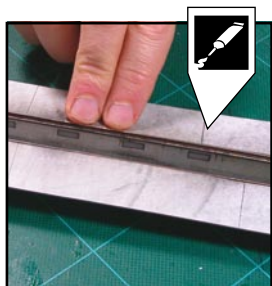


12 Carefully remove the sleepers from a section of track to the length of the pit. Leave some sleepers in place at each end to hold the rails in gauge.

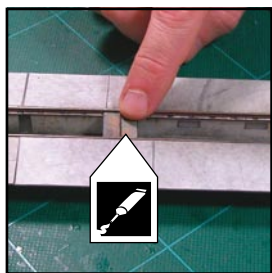
Using the *Rail gauge jig*, apply a thin bead of impact glue or similar to the undersides of the rails and carefully glue into position over the *Side wall tops*.



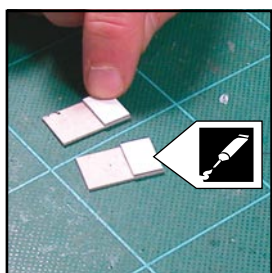
You may find it easier to paint the rail sides before gluing them into position.



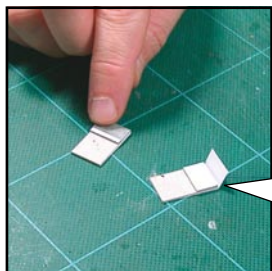
13 Test fit and glue the *Hard standing* into position to each side of the rail and over the *Side wall tops*.



14 Test fit the *Bridges* into position and trim if additional wheel flange clearance is required. Glue into position.



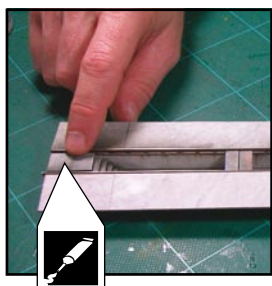
15 Aligning one end, glue the shorter sections of the *Hard standing end base layers* over the longer section.



16 Fold along the blue dotted line on the *Hard standing end cover layers* and cut out.

Wrap and glue the cover layer around the double thickness end of the base layer.

 **Wrap & glue**



17 Test fit and glue the *Hard standing ends* into position. Trim if additional wheel flange clearance is required.

18 If you haven't done so already, apply several light coats of artist's matt spray varnish to the entire model to protect the print surface.

Always test the varnish on a piece of scrap print first.

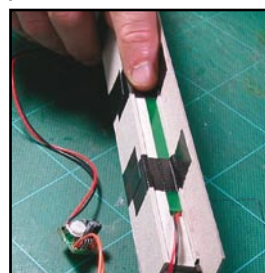
Optional signs → Glue and fold over the 'Not to be moved' signs to the grey backing sheet. Attach to a small length of thin wire and position.

Optional basic weathering → Using a sharp knife scrape a small amount of black and brown artist pastels on to a scrap of card. With a soft brush work very small amounts of the pastel dust into the corners and surface of the structure as required.

 **Build up thin layers slowly, don't over do it!**

Optional lighting → The openings in the side walls have been specifically designed to fit Black Cat Technology's LED Inspection Pit lighting strips. These are available from:

www.blackcattech.co.uk



The LED strip can be held in place with tabs of cloth tape.

→ Scalescenescenes.com

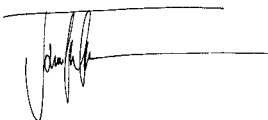
Thank you!

If you are pleased with the realism and sturdy construction of this kit why not go to **scalescenescenes.com** and easily download and print another quality kit from our growing range.

Each kit is available in a choice of scale photo-based textures in OO and N scales.

Please contact us with any suggestions or comments regarding this kit or future kits that you would like to see developed.

Thank you for your support.



John Wiffen
Graphic Designer
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